# PRO5150 ™, PRO7150 ™ & PRO9150 ™ Portable Radios

MOTOROLA
intelligence everywhere™

## PRO5150 ™: THE PRACTICAL RADIO

This practical radio can easily help increase productivity by keeping users communicating, while allowing them to concentrate on the job at hand. And with Motorola's unique X-Band™ technology, audio quality is clean and crisp in most environments. With the PRO5150 radio, communication couldn't be easier.

### FEATURES:

- Small, lightweight and durable
- 12.5/25 kHz Switchable Channel Spacing
- Battery Status Indicator
- Telephone Interconnect Capable
- Option Board Capabilities

## PRO7150™: THE ESSENTIAL TOOL

The radio offers a full menu of advanced signaling features including paging or calling selective radios or groups. Users can store information such as phone numbers, call lists and radio IDs for easy access. And with Motorola's unique X-Band™ technology, audio clarity is superb — even in noisy surroundings. The large LCD display is extremely helpful in large communication networks, and an important feature in critical situations.

### FEATURES:

- X-Band™ Voice Compression
- Dual Priority Scan
- 128 Channels
- Battery Gauge
- Alarm Clock
- 14-Character Alpha-Numeric Display

*Radio Information for reference only. To order, contact your Motorola representative.*

## PRO9150™: THE EFFICIENT RADIO

The PRO9150™portable offers a wide range of advanced features to handle even the most challenging and diverse communication needs. 160 Channels, large 4 Line Alphanumeric Display, and Voice Storage Embedded functionality increase productivity and functionality. Full MDC signaling capabilities let you control transmissions with extraordinary precision. An extra-large alphanumeric display with user-friendly icons is designed to make information clear and understandable at a glance.

### FEATURES:

- 3 Programmable Buttons
- Telephone Interconnect
- Voice Storage with Answering Machine Mode

## MDC1200 SIGNALING FEATURES:

*Conventional and LTR Modes*

- Push-to-Talk (PTT ID) [Encode/Decode]
- Selective Call [Encode/Decode]
- Call Alert [Encode/Decode]
- Radio Check [Encode/Decode]
- Emergency [Encode]
- Selective Radio Inhibit [Decode]

# Audio Accessories

## REMOTE SPEAKER MICROPHONES (RSM)

*The remote speaker microphone is a water-resistant compact unit that allows the user to talk and listen without removing the radio from the belt, case or charger. It has a coiled cord, push-to-talk switch and clothing clip on the back cover.*

**AAHMN9052C*** Remote Speaker Microphone

**AAHMN9052BP** Resale Packaged

**AAHMN9053C*** Noise Canceling Remote Speaker Microphone with 3.5mm Audio Jack

## PUBLIC SAFETY SPEAKER MICROPHONES (PSM)

*Public safety speaker microphones are specially designed to help cancel ambient noise during transmission. Coverage is increased with included antenna.*

**AAHMN9054C***
UHF Public Safety Speaker Microphone (includes UHF 450-470 MHz antenna, swivel clip, volume toggle switch, and 3.5mm earpiece jack)

**AAHMN9057C*** VHF Public Safety Speaker Microphone (includes VHF 148-174 MHz antenna, swivel clip, volume toggle switch, and 3.5mm earpiece jack)

### *REPLACEMENT CABLES FOR PUBLIC SAFETY SPEAKER MICROPHONES*

**RKN4100A** 24" Replacement Cable

**RKN4101A** 18" Replacement Cable

**RKN4102A** 30" Replacement Cable

## RSM AND PSM ACCESSORIES

**RLN4941A*** Receive only Earpiece, with 3.5 mm plug, translucent tube and rubber eartip for use with AAHMN9053C, AAHMN9054C and AAHMN9057C

**AARLN4885A*** Receive only Earbud with black coiled cord and 3.5mm adapter for use with AAHMN9053C AAHMN9054C and AAHMN9057C

**WADN4190A*** Flexible Ear Receiver for Remote Speaker and Public Safety Speaker Microphones for use with AAHMN9053C, AAHMN9054C and AAHMN9057C

**RMN4054A** Receive-Only Hardhat Mount Headset; mounts easily to hardhats with slots and provides 22dB of noise reduction; for use with AAHMN9053C, AAHMN9057C and AAHMN9054C (hardhat not included)

**RMN4055A** Receive-Only Headband Style Headset provides 24dB of noise reduction; for use with AAHMN9053C, AAHMN9054C and AAHMN9057C

**AAHMN9054C**

## REMOTE SPEAKER MICROPHONE WITH BLUETOOTH™ WIRELESS TECHNOLOGY

*Work and communicate in a cord-free environment. Motorola is on the front line of Bluetooth wireless technology by providing users of two-way radios the first wireless remote speaker microphone. This wireless remote speaker microphone communicates to a two-way radio through an adapter equipped with Bluetooth Wireless Technology and an adapter-capable battery that is attached to a Motorola two-way radio. The user simply turns on the radio and the wireless remote speaker microphone–the Bluetooth technology does the rest! The adapter and remote speaker microphone with Bluetooth Wireless Technology "connect" and link to each other wirelessly. Compatible with Motorola PRO5150™ and PRO7150™ radios.*

**HLN3156A** Wireless remote speaker microphone kit; includes remote speaker microphone with Bluetooth wireless technology (HMN3158A) and radio adapter (HHLN4125A); adapter-capable battery (HNN9003AR) is required but sold separately

**HMN3158A** Remote speaker microphone with Bluetooth wireless technology; requires radio adapter (HHLN4125A ) and adapter-capable battery (HNN9003AR)

**HHLN4125A** Radio adapter with Bluetooth Wireless Technology

**HNN9003AR** Adapter-Capable NiMH Battery, 1200 mAh, 7.5 volt

**HLN3156A**

***Intrinsically safe**

RLN5009A

NTN1737A

ENMN4013A

## MICJACKETS

*MicJackets provide speaker microphone users with a way to further protect the "head" of their microphone from dust, dirt, metal particles, sweat, body oils and other on-the-job grime. MicJackets also allow the user to handle or interact with the speaker microphone in a more hygienic way.*

**RLN5008A** MicJacket, compatible with HMN9052 Remote Speaker Microphone

**RLN5009A** MicJacket, compatible with HMN9053 Remote Speaker Microphone

**RLN5010A** MicJacket, compatible with HMN9054 and HMN9057 Public Safety Speaker Microphones

## COMMPORT: INTEGRATED MICROPHONE/RECEIVER SYSTEM

*The CommPort system contains a miniature microphone and receiver, and connects to your two way radio, making it possible to hear and speak under the most adverse conditions.*

**NTN1723A*** Integrated Ear Microphone/ Receiver System with Palm PTT (includes AAHLN9717 radio adapter)

**NTN1724A*** Integrated Ear Microphone/ Receiver System with Ring PTT (includes AAHLN9717 radio adapter)

**NTN1722A*** Integrated Ear Microphone/ Receiver System with PTT on radio adapter (includes AAHLN9717 radio adapter)

**NTN1737A*** Integrated Ear Microphone/ Receiver System with snap-on side PTT (includes AAHLN9717 radio adapter)

**NKN6510A** Replacement Palm PTT cable for NTN1723A

**NKN6508A** Replacement Cable for NTN1722A

**NKN6512A** Replacement Ring PTT Cable for NTN1724A

**NKN6525A** Replacement snap-on side PTT Cable for NTN1737A

**NTN8821A** CommPort Maintenance Kit, includes replacement ear tubes, (pack of 10), windscreens (pack of 2), and microphone seal strips (pack of 10)

**NKN8986A** Adhesive Pads for secure attachment to ear (pack of 90)

**NTN8988A** Ear Straps for secure attachment to ear (pack of 10)

**RLN5037A** Replacement Ear Tubes (pack of 10)

## FLEXIBLE EAR RECEIVER

*The flexible ear receiver contains a flexible ear-loop and speaker and rests external to the ear.*

**ENMN4013A*** Flexible Ear Receiver

***Intrinsically safe**

# Audio Accessories

**NTN8370A**

**NTN8371A**

## NOISE KITS

*This lightweight translucent tube attaches to Motorola surveillance kits to provide additional flexibility and comfort. Clothing clip prevents the accessory from being pulled from the ear due to body movement or head rotation.*

**NTN8370A** Extreme Noise Kit, includes 2 foam earplugs for loud environments, provides 24dB of noise reduction

**NTN8371A** Low Noise Kit, includes rubber eartip for low noise environments, does not provide hearing protection

**5080384F72** Replacement Foam Plugs; for use with NTN8370A (pack of 50)

**5080371E73** Replacement Standard Beige Rubber Eartips; for use with NTN8371A (pack of 25)

**5080371E75** Replacement Standard Black Rubber Eartips for use with NTN8371A (pack of 25)

## CLEAR COMFORTABLE EARPIECE

*The Clear Comfortable Earpiece forms to the inside of your ear and is perfect for low noise environments. Compatible with the NTN8371A, clear acoustic tube assembly, and most surveillance kits (1, 2 and 3-wire). This earpiece is made of easy-to-clean chemically inert, hypo-allergenic material. There are 3 items needed to make this product work:*

*1. Clear Comfortable Earpiece*
*2. Clear Acoustic Tube Assembly (NTN8371A)*
*3. Surveillance Kit*

**RLN4760A** Small Custom Earpiece, right ear

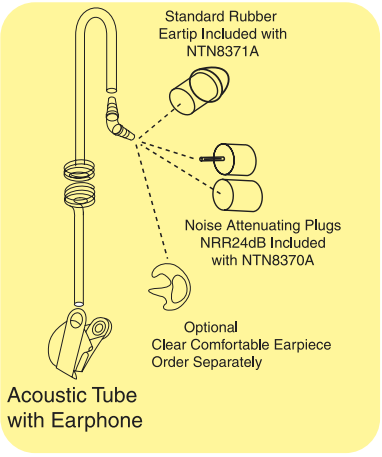
**RLN4763A** Small Custom Earpiece, left ear

**RLN4761A** Medium Custom Earpiece, right ear

**RLN4764A** Medium Custom Earpiece, left ear

**RLN4762A** Large Custom Earpiece, right ear

**RLN4765A** Large Custom Earpiece, left ear



**RLN4922A**

## COMPLETELY DISCREET EARPIECE

*Remain discreetly in touch with this miniaturized receiver. All messages received through the user's two-way radio are inductively relayed to the wireless earpiece in the user's ear. Inductive neckloop is easily hidden under the user's clothing for covert operations. Neckloop attaches to the user's Motorola Surveillance Kit providing completely discreet two-way communications. Security operatives, public safety officials, and private investigators can communicate with ease without any visible equipment. Small as it is, it offers a full range of audio functions including automatic squelch, automatic gain control and noise filtering. Must be used in conjunction with a Motorola Surveillance Kit. Just remove the earpiece on any standard 2 or 3 wire surveillance kit and plug in the neckloop for completely discreet communication.*

**RLN4922A** Completely Discreet Earpiece Kit; includes wireless earpiece, inductive neckloop, 6 spare batteries and 5 spare ear wax guards

**RLN4919A** Ear Wax Guards, 5 per pack

**RNN4005A** 1.4V Battery, 6 per pack

MOTOROLA ORIGINAL

# PRO5150™, PRO7150™ & PRO9150™

## SURVEILLANCE KITS

*Surveillance accessories allow the user to privately receive communications with the earpiece and are ideal when environments require discreet communication.*

**AARMN4021A*** Beige Receive Only Earpiece without volume control (1-wire)

**AARMN4022A*** Beige Earpiece with Microphone and PTT combined (2-wire)

**AARMN4022AP** Resale Packaged

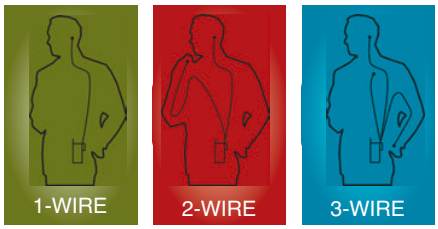
**AARMN4028A*** Black Receive Only Earpiece without volume control (1-wire)

**AARMN4028AP** Resale Packaged

**AARMN4029A*** Black Earpiece with Microphone and PTT combined (2-wire)

**ENMN4014A*** Black Earpiece with Microphone and PTT button (3-wire)

**ENMN4017A*** Beige Earpiece with Microphone and PTT button (3-wire)



**AARMN4028A**

**ENMN4017A**

**BDN6641A**
*Shown with interface module*

## EAR MICROPHONE SYSTEM (EMS)

*This compact unit picks up the voice through bone vibrations in the ear canal. The miniature earpiece leaves the hands free and face unobscured when worn by rescue and hazard protection personnel, who still retain the ability for direct hearing and speaking. For personnel required to wear breathing apparatus, communications with protective masks are as clear as communications without. And its high speech clarity under noisy environments makes it ideal for high noise environments. Available in PTT or Voice Activated (VOX). Interface Module required.*

**BDN6677A*** Ear Microphone for Standard Noise Levels (up to 95dB, black)

**BDN6678A*** Ear Microphone for Standard Noise Levels (up to 95dB, beige)

**BDN6641A*** Ear Microphone for High Noise Levels (up to 105dB)

## SURVEILLANCE KITS WITH EXTENDED-WEAR COMFORT EARPIECE

*These kits include a comport earpiece with a rubber ear tip and a clear comfortable acoustic tube. Users hear transmissions clearly, while the clear tube provides a discreet appearance.*

**RLN5315A** Comfort Earpiece with Microphone and PTT combined, Black (2-wire kit)

**RLN5316A** Comfort Earpiece with Microphone and PTT combined, Beige (2-wire kit)

## INTERFACE MODULES FOR EAR MICROPHONE SYSTEM

**AARMN4044A*** Push-To-Talk Only Interface Module

**AARMN4045A*** Push-To-Talk or Voice-Activated Interface Module (VOX operational only on conventional channel)

***Intrinsically safe**

# Audio Accessories

## OPTIONAL ACCESSORIES FOR EAR MICROPHONE SYSTEM

**0180358B38*** Remote Push-To-Talk Ring Switch

**0180300E83*** Remote Push-To-Talk Body Switch

**0180300E25** Earguard with Adjustable Loop; secures ear mic in ear

**0180358B32** Earholder, black size small; secures ear mic in ear

**0180358B33** Earholder, black, size medium; secures ear mic in ear

**0180358B34** Earholder, black, size large; secures ear mic in ear

**0180358B35** Earholder, clear, size small; secures ear mic in ear

**0180358B36** Earholder, clear, size medium; secures ear mic in ear

**0180358B37** Earholder, clear, size large; secures ear mic in ear

**4280369E44** Replaceable Belt Clip with Screws

**5080358B28** Eartips, black, size medium (pack of 10)

**5080358B29** Eartips, black, size large (pack of 10)

**5080358B30** Eartips, beige, size medium (pack of 10)

**5080358B31** Eartips, beige, size large (pack of 10)

**0180300E83**

**0180300E25**

**0180358B33**

## ULTRA-LITE HEADSET

*This headset is an ultra-lite behind the head-style headset that features a flexible boom microphone and in-line PTT, and is intended for low to moderate noise environments.*

**ENMN4012A*** Ultra-lite Headset

**ENMN4012A**

***Intrinsically safe**

**RMN4048**

## TEMPLE TRANSDUCER

*The temple transducer represents a significant achievement in headset design and functionality. It allows the user to receive audio without covering the ear. The receiver portion of this accessory rests on the temples and is capable of converting the receive audio from a two-way radio into sound vibration. The sound vibration is transmitted through the surrounding human tissue and bone directly into the inner ear where it is received by the user. It features an in-line PTT and noise cancelling boom microphone. The temple transducer enhances communication and safety by not impairing the user's hearing of external sound environment, such as from machinery and equipment, warning, and fire alarms, the intercom, traffic and even casual conversations with their co-workers.*

**RMN4048A*** Temple Transducer

**RLN4890A**

## MISCELLANEOUS ACCESSORIES

### ASSISTIVE TURNING KNOBS

**RLN4890A** If your job requires you to wear large gloves, or if you have mobility or dexterity limitations, you will appreciate this added feature; set of two specially designed knobs for volume control and channel changing

### UNIVERSAL HOLDER

**RLN4943A** Universal Holder with Gooseneck Bracket provides flexible mounting solutions for portable radios

**RLN4945A** Universal Holder with Gooseneck Bracket with Wheelchair Quick Release Assembly

**RLN4944A** Wheelchair Quick Release Bracket

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# PRO5150™, PRO7150™ & PRO9150™

AARMN4018A

AARMN4017A

## LIGHTWEIGHT HEADSETS

*Lightweight headsets allow for high clarity, hands-free, discreet two-way communications while adding comfort necessary for extended wear in moderate noise* environments.

**AARMN4018A*** Lightweight Headset with Swivel Boom Microphone with In-Line PTT

**AARMN4018AP** Resale Packaged

**AARMN4031A*** Lightweight Headset with Swivel Boom Microphone; no in-line PTT—FM approved (VOX operational only on conventional channel)

**AARMN4017A*** Ultralite Headset with Boom Microphone, ear bud style receiver (VOX operational only on conventional channel)

**REX4648A** Replacement Foam Earpad and Windscreen Kit for AARMN4018A and AARMN4031A

## RACING HEADSET

*Motorola is the Official Wireless Equipment supplier of the CART® (Championship Auto Racing Teams), so whether you are a driver, an official, safety or medical personnel involved in the auto racing field, you can depend on the comfort and dependability of the Racing Headset.*

**RMN5015A*** Racing Headset (adapter cable required)

**RKN4091A** Adapter Cable

RMN4051A

## MEDIUM WEIGHT HEADSETS

*Medium weight dual-muff headsets offer high-clarity sound with the additional hearing protection necessary for providing consistent, clear two-way radio communications in harsh, noisy situations.*

**AARMN4019A*** Over-the-Head with In-Line PTT and Noise Canceling Swivel Boom Microphone; provides 24dB of noise reduction

**AARMN4032A*** Over-the-Head with Noise Canceling Swivel Boom Microphone; provides 24dB of noise reduction (VOX operational only on conventional channel)

**ENMN4016A*** Medium Duty, Behind-the-Head Headset with swivel boom, microphone and in-line push-to-talk, provides 24dB of noise reduction

**RMN4051A** Hardhat Mount Headset; mounts easily to hardhats with slots—provides 22dB of noise reduction; requires RKN4097A adapter cable; hardhat not included

**RKN4097A** Radio Adapter Cable with In-Line PTT for use with RMN4051A

RMN5015A

## HEAVYDUTY HEADSETS

*Heavyduty headsets include noise canceling boom microphones and can be worn with or without a hardhat. Headsets are for use in noise levels up to 125dB. The Push-To-Talk switch is located on the earcup.*

**AARMN4020A*** Push-To-Talk or Voice Activated Headset with noise canceling boom microphone; noise reduction rating=24dB (VOX operational only on conventional channel)

RMN4052A

## TACTICAL MEDIUM WEIGHT HEADSETS

*Same high-clarity sound and additional hearing protection as our standard Medium Weight Headsets while including two microphones on the outside of each earcup which reproduces the ambient sound back into the headset. Harmful sounds are suppressed to a safe level and low sounds are amplified up to 5 times but never more than 82dB. Includes on/off volume control on earcups.*

**RMN4052A** Tactical Headband Style Headset, Grey; provides 24dB of noise reduction; requires RKN4097A adapter cable

**RMN4053A** Tactical Hardhat Mount Headset; mounts easily to hardhats with slots; provides 22dB of noise reduction; requires RKN4097A adapter cable, hardhat not included

**RKN4097A** Radio Adapter Cable with In-Line PTT for use with RMN4052A and RMN4053A

**RLN4923A** Two Replacement Earseals, for RMN4051A, RMN4052A and RMN4053A

***Intrinsically safe**

# Audio & Carrying Accessories

HLN9676A

## CARRYING CASES

*A variety of carrying accessories are available for your comfort and convenience. The carrying cases are available in sizes designed to fit your radio and battery and permit audio to be heard clearly.*

***PRO5150™ STANDARD MODEL***

**HLN9665A** Standard Leather Case with Belt Loop for use with NiCD and NiMH batteries

**HLN9652A** Standard Leather Case with Belt Loop, for use with Li Ion Batteries

HLN9676A Standard Leather Case with Swivel for use with NiCD and NiMH batteries

**HLN9670A** Standard Leather Case with Swivel for use with Li Ion Batteries

**HLN9701B** Nylon Case with Belt Loop with NiCD, NiMH, and Li Ion batteries

**HLN9701BP** Same as Above, resale packaged

***PRO5150™ KEYPAD MODELS AND ALL PRO7150™ODELS***

**HLN9689A** Standard Leather DTMF Case with Belt Loop for use with NiCD and NiMH batteries

**HLN9677A** Standard Leather DTMF Case with Belt Loop for use with Li Ion batteries

**HLN9694A** Standard Leather DTMF Case with Swivel for use with NiCD and NiMH batteries

**HLN9690A** Standard Leather Case with Swivel for use with Li Ion batteries

**HLN9701B** Nylon Case with Belt Loop with NiCD, NiMH, and Li Ion batteries

**HLN9701BP** Same as Above, resale packaged

HLN9701B

***PRO7150™ LIMITED-KEYPAD MODELS***

**HLN9946A** Hard Leather Case with Belt Loop for use with Ni-CD and NiMH batteries

**HLN9946AP** Same as Above, resale packaged

**HLN9945A** Hard Leather Case with Belt Loop, for use with Li Ion batteries

**HLN9998A** Hard Leather Case with Swivel Belt Loop, for use with Ni-CD and NiMH batteries

**HLN9955A** Hard Leather Case with Swivel Belt Loop, for use with Li Ion batteries

**HLN9701B** Nylon Case with Belt Loop with NiCD, NiMH and Li Ion batteries

**HLN9701BP** Same as Above, resale packaged

***PRO9150™ STANDARD MODELS***

**HLN9698A** Leather DTMF Case with Belt Loop, for use with NiMH and NiCD batteries

**HLN9695A** Leather DTMF Case with Belt Loop, for use with Li Ion batteries

**HLN9700A** Leather DTMF Case with Swivel, for use with NiMH and NiCD batteries

**HLN9699A** Leather DTMF Case with Swivel, for use with Li Ion batteries

**HLN9701B** Nylon Case with Belt Loop with NiCD, NiMH, and Li Ion batteries

**HLN9701BP** Same as Above, resale packaged

## CARRYING CASE ACCESSORIES

**NTN8039B** 2.5" High-Activity Swivel Belt Loop

**NTN8040B** 3.0" High-Activity Swivel Belt Loop

## BELT CLIPS

**HLN9714A** Spring Action 2-1/2" Belt Clip

## CARRYING STRAP

**NTN5243A** Shoulder carry strap allows easy carrying of radio in a case when not wearing a belt

## WATERPROOF BAG

**HLN9985B** Waterproof Bag, includes large carrying strap

## BREAK-A-WAY CHEST PACK

*All of the same features as the original chest pack (HLN6602A) plus break-a-way tabs that allow the entire pack to be pulled off with approximately 10 lbs. of pressure. Perfect for railroads, manufacturing locations construction sites and anywhere safety is a concern.*

**RLN4570A** Break-A-Way Chest Pack

MOTOROLA ORIGINAL

RLN4815A

## RADIOPAK™

*It's different from all other holders or cases: more comfortable, more useful and more stylish. Worn around the waist, it holds two-way, iDEN portables or cellular phones right at hand. Includes a separate 6"x8" zippered pouch for other on-the-job necessities. Adjustable nylon weave belt; fits both* men and women.

**RLN4815A** RadioPAK™ Radio/Utility Case

**4280384F89** Universal RadioPAK™ Belt Lengthener; fits waists larger than 40"

HLN6602A

## CHESTPACK

**HLN6602A** Universal Chest Pack with Radio Holder and Velcro Secured Pocket

**1505596Z02** Replacement Strap for HLN6602A

N9008AR

## BATTERIES

### *PREMIUM NICKEL CADMIUM (NiCD)*

**HNN9011AR** 1200 mAh, 7.5V, Intrinsically Safe
**HNN9012AR** 1300 mAh, 7.5V
**HNN9012ARP** 1300 mAh, 7.5V, Resale Packaged

### *PREMIUM NICKEL METAL HYDRIDE (NiMH)*

**HNN9008AR** 1500 mAh, 7.5V
**HNN9008ARP** 1500 mAh, 7.5V, Resale Packaged
**HNN9009AR** 1900 mAh, 7.5V
**HNN9010AR** 1800 mAh, 7.5V Intrinsically Safe
**HNN9003AR** 1200 mAh, 7.5V (Bluetooth™)

### *PREMIUM LITHIUM ION (Li ION)*

**HNN9013BR** 1200 mAh, 7.5V
**HNN9013BRP** 1200 mAh, 7.5V, Resale Packaged

AAHTN3000B

## SINGLE AND SIX-UNIT CHARGERS

*Single and multi-unit chargers can rapidly charge batteries on or off the radio in one to three hours. Multi-unit chargers can be wall or rack mounted and are ideal for multi-shift operations. All chargers are specifically designed to meet the requirements of batteries manufactured by Motorola.*

**AAHTN3000C** 120V Rapid Rate Single-Unit Intellicharger

**AAHTN3001B** 220V Rapid Rate Single-Unit Intellicharger

**AAHTN3003C** 120V Six-Unit Rapid Rate (U.S. plug)

**NLN7967A** Wall Mount Kit for six-unit charger

**HLN9793A** Charger Insert Spacer—compatible with "A" version chargers only

**HLN9794A** Charger Insert Spacer—compatible with "B" and "C" version chargers

# Carrying Accessories, Batteries & Chargers

## VEHICULAR ADAPTERS

*Now customers working in areas such as Public Safety and Utilities can both charge and operate portable two-way radios inside a vehicle. These Vehicular Adapters detect the chemistry of the portable battery and select the optimum charging method while providing power for in-vehicle use. In addition, an antenna adapter allows automatic switching to an external vehicle-mounted antenna (sold separately). These kits include the vehicular adapter, microphone, RF adapter, battery spacers, technical installation manual, programming software.*

**AAEN1006B** VHF, 136-174 MHz

**AAEN1007B** UHF 403-470 MHz

**5880367B23** Connector Adapter, BNC Female

**5880367B28** Connector Adapter, BNC Male

**ENKN4002A** Programming Cable (required for use with external speaker

**ENKN4003A** Audio Service Cable (for use with RLN4460 test box)

**GSN6059A** External 13 Watt Speaker

## EXTERNAL ANTENNAS FOR VEHICULAR ADAPTERS

**HAD4006A** 136-144 MHz

**HAD4007A** 144-152 MHz

**HAD4008A** 152-162 MHz

**HAD4009A** 162-174 MHz

**HAE4002A** 406-420 MHz

**HAE4003A** 450-470 MHz

**HAE4004A** 470-512 MHz

**ENLN4103A**

## REPLACEMENT ITEMS

**ENLN4103A** Replacement VHF Antenna Adapter, 136-174 MHz

**ENLN4104A** Replacement UHF Antenna Adapter, 403-470 MHz

**GMN6146C** Hand-held Mobile Microphone

**ENLN4117A** Vehicle Connector Kit

**WALN4078A** Battery Spacer Kit

## TRAVEL CHARGER

*A great traveling companion that ensures constant communication while on the road. Allows the battery to rapid charge while using the radio. Users can receive communication immediately once the charger is connected, and transmit from a previously "dead" battery in just 5 minutes. This light and compact unit includes a voltage regulated lighter adapter, custom charger base, mounting bracket and coil cord. Ideal for public safety, utility and construction markets.*

**RLN4883A** Travel Charger

## TRANSFORMER FOR TRAVEL CHARGER

*Travel Charger AC Transformer connects to the cigarette lighter adapter cord to allow it to be plugged into an AC wall outlet for indoor use.*

**2580600E05** Transformer, 120V (US)

**2580600E06** Transformer, 230V (Europe

**2580600E07** Transformer, 230V (U.K.)

**2580600E08** Transformer, 220V (Argentina)

## TRAVEL CHARGER MOUNTING BRACKET

**0780384K84** Universal Mounting Bracket for Travel Charger; includes screws and nylon cord (included with RLN4883A)

## VEHICULAR CHARGER

*This 12V DC charger is ideal for mobile customers. Capable of charging NiCD, NiMH, and Li Ion batteries. This durable unit comes with a metal mounting bracket. Its drop-in design makes it ideal for public safety users.*

**RLN5233A** Vehicular Charger

**WPPN4065AR**
Shown With Optional Adapter Plates

## MOTOROLA CONDITIONING CHARGERS

*The MCC utilize negative pulse charging technology that will help extend battery life and enhance battery operation. It will safely condition and charge your specified NiCD and NiMH batteries in approximately an hour. The MCC controls heat buildup due to its charging and termination algorithms and maintenance mode allows batteries to be safely left on the charger for extended periods of time. And now there is an Instant Fault Detection (IFD) feature which detects faulty radio batteries in seconds, which notifies the user that the battery will not operate at peak performance. Optional accessories are available allowing these chargers to be used in both AC and DC environments providing optimal charging flexibility.*

**WPLN4107AR** MCC Kit, 110V AC (includes both base unit and 7V adapter)

**WPLN4106AR** MCC Kit, 220V AC (includes both base unit and 7V adapter)

**WPPN4002AR** 110V AC Base Charge Unit only (order adapter plates separately)

**WPPN4006AR** 220V Base Charge Unit Only (order adapter plates separately)

**WPPN4065BR** Multi Unit Conditioning Charger, Four Station Base, 110V (order adapter plate separately)

**WPPN4082AR** 7V Adapter Only

**3080384G15** Cigarette Lighter Adapter Cord

**RLN4814A** Vehicular Mounting Bracket and hard wire cable for single unit Motorola Conditioning Charger

**3080384M21** DC Hard Wire Cable, for vehicular installation (included in RLN4814A)

**WPLN4079BR**

## BATTERY MAINTENANCE SYSTEM$^{PLUS}$ (BMS$^{PLUS}$)

***INCREASE THE USEFUL LIFE OF YOUR BATTERIES.***

*Using interchangeable battery adapters (sold separately), the BMS$^{Plus}$ is capable of charging and discharging, analyzing, conditioning and cycle test on batteries; Supports NiCD, NiMH, and Li Ion battery chemistries; tracking battery voltage and capacity (mAh). The BMS$^{Plus}$ offers a 3-year warranty. Its easy-to-use design supports hundreds of 2-way, cellular and camcorder batteries with printer port* (Serial-RS-232C port—uses female 9-pin to male 25-pin cable).*

**WPLN4079BR** Six-Station, 110V AC, 50/60 Hz

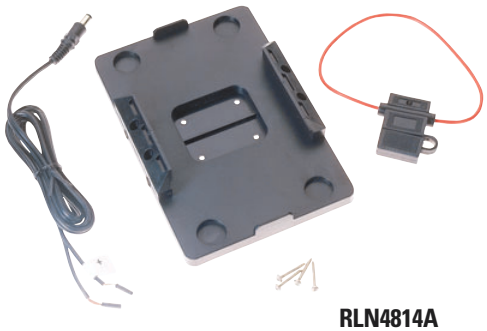
**WPLN4080BR** Six-Station, 230V AC, 50/60 Hz

**WPPN4085AR** BMS$^{Plus}$ field Upgrade Kit for WPLN4079AR, WPLN4080AR and WPLN4081AR; allows these units to support Li Ion battery chemistries.

**NDN4005B** Three-Station, 110V AC, 50/60 Hz (does not support Li Ion or 3-cell batteries)

**NDN4006B** Three-Station, 230V AC, 50/60 Hz (does not support Li Ion or 3-cell batteries)

** Compatible with the STAR Micronics SP200 Series printers, available from any STAR Micronics distributor, and other printers with STAR emulation*



**RLN4814A**

# Chargers & Antennas

## BMS$^{PLUS}$ ADAPTERS

**WPPN4079AR** Adapter compatible with both NiCD and NiMH batteries

**WPPN4080AR** Adapter compatible with NiCD, NiMH, and Li Ion batteries, requires Li Ion capable BMS$^{Plus}$

## BATTERY OPTIMIZING SYSTEM (BOS)

*No other battery analyzer matches the speed, accuracy, versatility and ease-of-use of the Battery Optimizing System. Best of all, the Battery Optimizing System helps lower your battery costs, because you will get the maximum performance possible from each battery when it is maintained by the Battery Optimizing System. Accommodates NiCD, NiMH, Li Ion and SLA*

- Impedance test checks battery condition in six seconds
- Proprietary recondition cycle restores NiCD and NiMH batteries
- Printer output for reports and labels, computer interface
- High power-programmable from 100mA to 2 Amp per station
- Interchangeable adapters accommodate all major batteries
- Simple, intuitive user interface with keypad

**WPLN4071AR** BOS, Four-Station, 110VAC, 50/60 Hz

**WPLN4073AR** BOS, Four-Station, 230V AC, 50/60 Hz

## BOS ADAPTER

**RL-76345** Standard Adapter

**WPLN4071AR**

## FLEXIBLE WHIP ANTENNAS

*Flexible whip antennas have a one-piece finish and steel core for optimal radiation characteristics. Provides more comfort when the radio is worn on the belt.*

**8504762J01** Flexible Whip, 136-155 MHz

**PMAD4023A** Flexible Whip, 150-161 MHz

**8504762J02** Flexible Whip, 155-174 MHz

**NAE6483AR** Flexible Whip, 403-520 MHz

**NAB6064A** Heliflex 29.7-50 MHz

**NAE6483AR**

## STUBBY ANTENNAS

*These quarterwave stubby antennas are ideal when radio is worn on the belt because the short antenna is non-obtrusive.*

**PMAD4012A** Stubby, 136-155 MHz

**PMAD4025A** Stubby, 150-161 MHz

**PMAD4013A** Stubby, 155-174 MHz

**PMAE4002A** Stubby, 403-433 MHz

**8504762J08** Stubby, 438-470 MHz

## OPTION BOARDS

*Get the most out of your HT professional radios with powerful feature upgrades.*

**AAHLN9725C** Voice Storage Option Board

**AAHLN9729B** DTMF Decode Option Board

## MANDOWN OPTION BOARD

*The mandown alarm functionality will trigger the radio's internal software emergency routine if the radio is horizontal for longer than a pre-programmed time. Anti-movement alarm functionality will trigger the radio's internal software emergency routine if the radio is stationary (unmoved) for longer than a preprogrammed time (requires radio and OSS programming).*

**AAENLN4150A** Mandown Option Board Kit (for PRO7150™ UHF & VHF Models Only)

## SOFTWARE AND MANUALS

**8264934B01** Programming Software

**6881093C78** User Manual

**6881093C79** Technical Manual

MOTOROLA ORIGINAL